SERIES 5

LCD TV
installation manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

www.samsung.com/register

Model _____ Serial No. _____

SAMSUNG

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Instruction

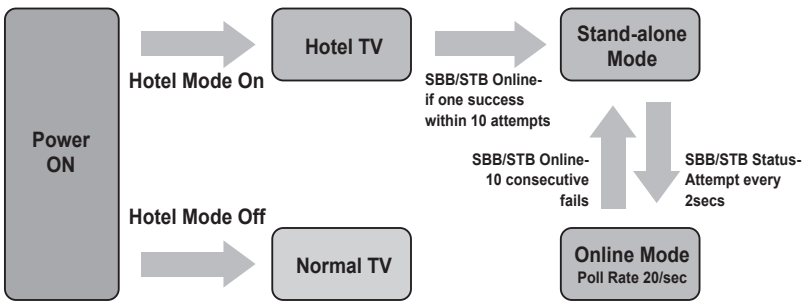
This TV is provided with interactive functionality through a set-back box (SBB/STB) connected to the TV, and with other TVs in a computer controlled system for hotels and other hospitality businesses.

Interactive : When the TV is powered-up initially, it sends a command to identify the SBB/STB; if identified, theTV switches to ONLINE mode and full control is through the SBB/STB.
If the TV is in ONLINE mode, it stops receiving IR(Samsung remote) commands and acts according to interface protocol.
Stand-Alone: If SBB/STB is not identified, the TV should be switched to STAND-ALONE mode with restricted operation.

Operational Modes

When this TV (in Hotel mode) is operated with a SBB/STB, it is in one of two states

- ONLINE or STAND-ALONE. In the STAND-ALONE state, the TV will act as a Hotel TV, but without active communication. This is to prevent guests from trying to cheat the system by disconnecting the SBB/STB.



To set the details for Stand-alone or interactive mode, refer to pages 16-19(Setting the hotel option data : Stand-alone mode and Interactive mode)

- Some operations may be restricted to prevents guests from "cheating" the TV system.
- No main menu(Interactive mode) or Channel Menu, Plug & Play in Main Menu (Stand-Alone mode)
- Limited Volume and Panel key lock or unlock

Digital TV Notice

1. Functionalities related to Digital TV(DVB) are only available in countries/areas where DVB-T (MPEG2 and MPEG4 AVC) digital terrestrial signals are broadcasted or where you are able to access to a compatible DVB-C(MPEG2 and MPEG4 AAC) cable-TV service. Please check with your local dealer the possibility to receive DVB-T or DVB-C signal.
2. DVB-T is the DVB European consortium standard for the broadcast transmission of digital terrestrial television and DVB-C is that for the broadcast transmission of digital TV over cable. However, some differentiated features like EPG (Electric Program Guide), VOD (Video on Demand) and so on, are not included in this specification. So, they cannot be workable at this moment.
3. Although this TV set meets the latest DVB-T and DVB-C standards, as of [August, 2008], the compatibility with future DVB-T digital terrestrial and DVB-C digital cable broadcasts cannot be guaranteed.
4. Depending on the countries/areas where this TV set is used some cable-TV providers may charge an additional fee for such a service and you may be required to agree to terms and conditions of their business.
5. Some Digital TV functions might be unavailable in some countries or regions and DVBC might not work correctly with some cable service providers.
6. For more information, please contact your local Samsung customer care centre.

Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen

- Do not display a still image and partially still on the LCD panel for more than 2 hours as it can cause screen image retention. This image retention is also known as “screen burn”. To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.
- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when displaying still images.

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Symbol	Press	Note	One-Touch Button

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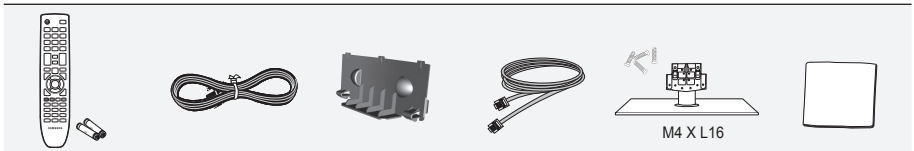
List of Parts

Please make sure the following items are included with your LCD TV.
If any items are missing, contact your dealer.

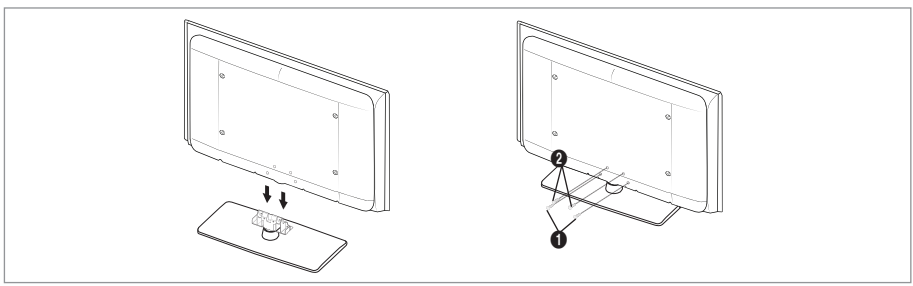


Remote Control & Batteries (AAA x 2)	Power Cord	Cover-Bottom	Data Cable	Stand & Stand Screw x 4	Cleaning Cloth

- Owner's Instructions
- Safety Guide
- Warranty card
- Registration Cards

➢ Warranty card / Safety Guide / Registration Cards (Not available in all locations)
➢ The stand and stand screw may not be included depending on the model.
➢ The Data Cable may not be included depending on the SI Vendor.

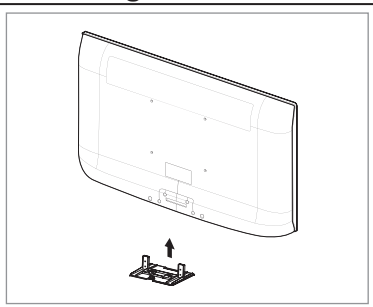
Installing the Stand



1. Attach your LCD TV to the stand.
➢ Two or more people should carry the TV.
➢ Make sure to distinguish between the front and back of the stand when attaching it.
➢ To make sure the TV is installed on the stand at a proper level, do not apply excess downward pressure to the upper left of right sides of the TV.

2. Fasten two screws at position ❶ and then fasten two screws at position ❷.
➢ Stand the product up and fasten the screws. If you fasten the screws with the LCD TV placed down, it may lean to one side.

Installing the Wall Mount Kit



Wall mount items (sold separately) allow you to mount the TV on a wall. For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items. Contact a technician for assistance when installing the wall mounted bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

➢ Remove the stand and cover the bottom hole with the cover.

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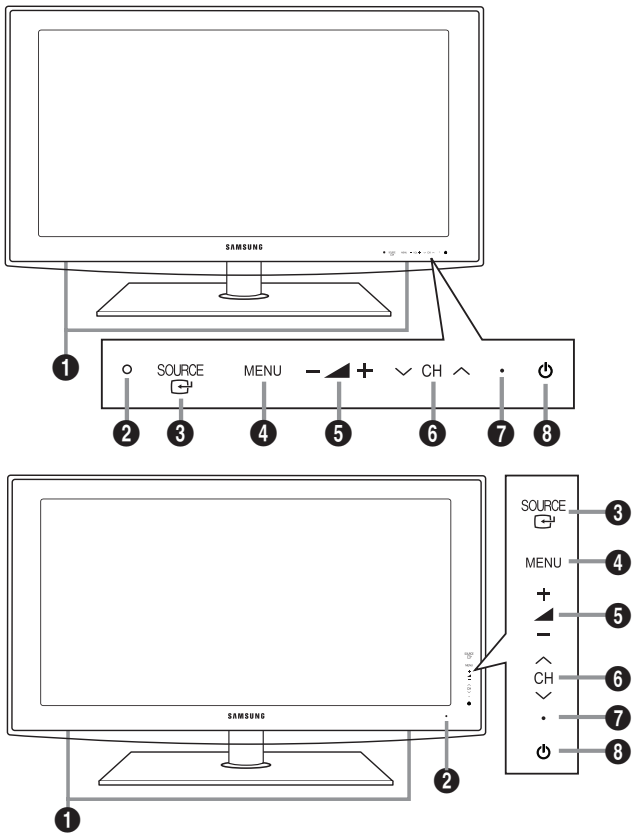
Viewing the Control Panel



➢ The product color and shape may vary depending on the model.

❶ **Speakers**

❷ **Remote Control Sensor**
Aim the remote control towards this spot on the TV.

❸ **SOURCE**
Toggles between all the available input sources (TV, AV, Component, PC, HDMI1, HDMI2).
In the on-screen menu, use this button as you would use **ENTER** button on the remote control.

❹ **MENU**
Press to see an on-screen menu of your TV's features.

❺ **+ −**
Press to decrease or increase the volume.
In the on-screen menu, use the **+ −** buttons as you use the ◄ and ► buttons on the remote control.

❻ **CH**
Press to change channels.
In the on-screen menu, use the **CH** buttons as you use the ▼ and ▲ buttons on the remote control.

❼ **Power Indicator**
Blinks and turns off when the power is on and lights up in stand-by mode.

❽ **(Power)**
Press to turn the TV on and off.

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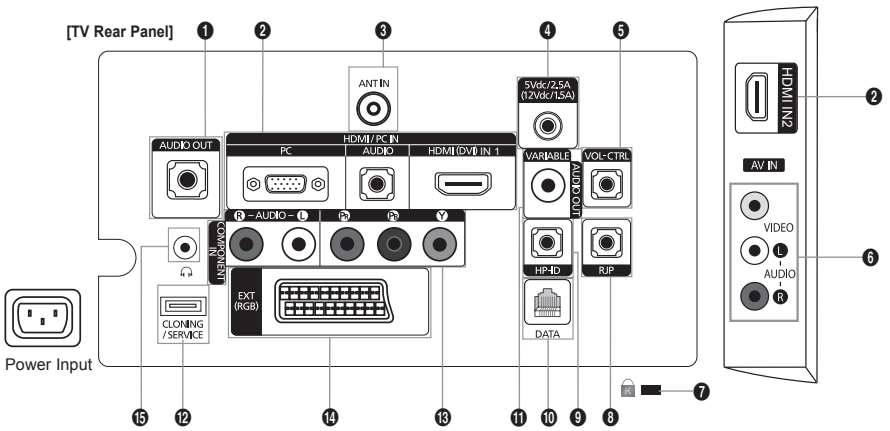
Viewing the Connection Panel

LE32B550M2H/LE37B550M2H/LE40B550M2H/LE46B550M2H



➢ The product color and shape may vary depending on the model.

➢ Whenever you connect an external device to your TV, make sure that power on the unit is turned off

➢ When connecting an external device, match the color of the connection terminal to the cable.

❶ **AUDIO OUT**

- Connects to the audio input jacks on an Amplifier/Home Theater.

❷ **HDMI(DVI) IN 1 / AUDIO / PC / HDMI IN 2**

- Connect to the video and audio output jack on your PC.
- Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players).
- No additional Audio connection is needed for an HDMI to HDMI connection.

➢ What is HDMI?

- "High Definition Multimedia interface" allows the transmission of high definition digital video data and multiple channels of digital audio.
- The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.

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Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution.
The resolutions in the table are recommended.

➢ D-Sub and HDMI/DVI Input

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA CVT	720 x 576	35.910	59.950	32.750	-/+
	1152 x 864	53.783	59.959	81.750	-/+
	1280 x 720	44.772	59.855	74.500	-/+
	1280 x 960	75.231	74.857	130.000	-/+
	1280 x 720	56.456	74.777	95.750	-/+
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 800	62.795	74.934	106.500	-/+
	1280 x 960	60.000	60.000	108.000	+/+
	1360 x 768	47.712	60.015	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1440 x 900	70.635	74.984	136.750	-/+
	1680 x 1050	65.290	59.954	146.250	-/+
VESA GTF	1280 x 720	52.500	70.000	89.040	-/+
	1280 x 1024	74.620	70.000	128.943	-/-
VESA DMT / DTV CEA	1920 x 1080p	67.500	60.000	148.500	+/+

➢ When using an HDMI / DVI cable connection, you must use the **HDMI (DVI) IN 1** jack.

➢ The interlace mode is not supported.

➢ The set might operate abnormally if a non-standard video format is selected.

➢ Separate and Composite modes are supported. SOG is not supported.

➢ Too long or low quality VGA cable can cause picture noise at high resolution modes (1920x1080 or 1600x1200).

❸ **ANT IN**

- To view television channels correctly, a signal must be received by the set from one of the following sources:
- An outdoor antenna / A cable television network / A satellite network

❹ **DC Power Output - 5V DC/2.5A (12V DC/1.5A)**

- Used to supply power for the SBB or STB.

❺ **VOL-CTRL**

- Used to control the volume of the Bathroom speaker. Connect the Bathroom Wall Box and the VOL-CTRL port.

❻ **VIDEO / R-AUDIO-L**

- Connect a VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect audio cables to "R-AUDIO-L" on your TV and the other ends to corresponding audio out jacks on the A/V device.

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❼ **Kensington Lock**

- The Kensington lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.
- The location of the Kensington Lock may be different depending on its model

❽ **RJP**

- This port is an RJP (Remote Jack Pack) communication port that enables connecting different devices to additional module so as to improve device use convenience.

❾ **HP-ID**

- Enables to identify whether a headphone jack is inserted into the additionally created head phone box.

❿ **DATA**

- Used to support data communication between the TV and the SBB.
- The TV jack type is RJ-12.

⓫ **VARIABLE AUDIO OUT**

- Used for the audio output to the Bathroom speaker. Connect the Bathroom Wall Box and the Variable port (RCA).

⓬ **CLONING/SERVICE**

- USB Cloning (refer to page 22)
- Service connector
- Hotel Logo download

⓭ **COMPONENT IN**

- Connect component video cables (optional) to the component jacks ("P_R", "P_B", "Y") on the rear of your TV and the other ends to corresponding component video out jacks on the DVD.
- If you wish to connect both the Set-Top Box and DVD, you should connect the Set-Top Box to the DVD and connect the DVD to the component jacks ("P_R", "P_B", "Y") on your TV.
- The PR, PB and Y jacks on your component devices (DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of the TV set and the other ends to corresponding audio out jacks on the DVD.

⓮ **EXT**

Connector	Input			Output
	Video	Audio (L/R)	RGB	Video + Audio (L/R)
EXT	O	O	O	Only TV or DTV output is available.

-Inputs or outputs for external devices, such as VCR, DVD, video game device or video disc players.

⓯ **Headphones jack**

- Headphones may be connected to the headphone jack on your TV. While the headphones are connected, the sound from the built-in speakers will be disabled.

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Viewing the Remote Control

❶ **POWER**
Turns the TV on and off.

❷ **NUMERIC BUTTONS**
Press to change the channel.

❸ **ALARM**
Enter the hour you want the TV to turn on.

❹ **(MUTE)**
Press to temporarily cut off the sound.

❺ **+ –**
Press to increase or decrease the volume.

❻ **CH LIST**
Used to display Channel Lists on the screen.

❼ **TOOLS**
Use to quickly select frequently used functions. Picture Mode / Sound Mode / Sleep Timer / Energy Saving

❽ **INFO**
Press to display information on the TV screen.

❾ **COLOR BUTTONS**
Use these buttons in the Channel list, etc.

❶❶ **DUAL**
Sound effect selection.

❶❷ Use these buttons in the DMA and Anynet+ modes. (: This remote can be used to control recording on Samsung recorders with the Anynet+ feature.)

❶❸ **TV**
Selects the TV mode directly.

❶❹ **PRE-CH**
Tunes to the previous channel.

❶❺ **P**
Press to change channels.

❶❻ **SOURCE**
Press to display and select the available video sources.

❶❼ **FAV.CH**
Press to switch to your favorite channels.

❶❽ **MENU**
Displays the main on-screen menu.

❶❾ **RETURN**
Returns to the previous menu.

❷❿ **UP▲ / DOWN▼ / LEFT◄ / RIGHT► / ENTER**
Use to select on-screen menu items and change menu values.

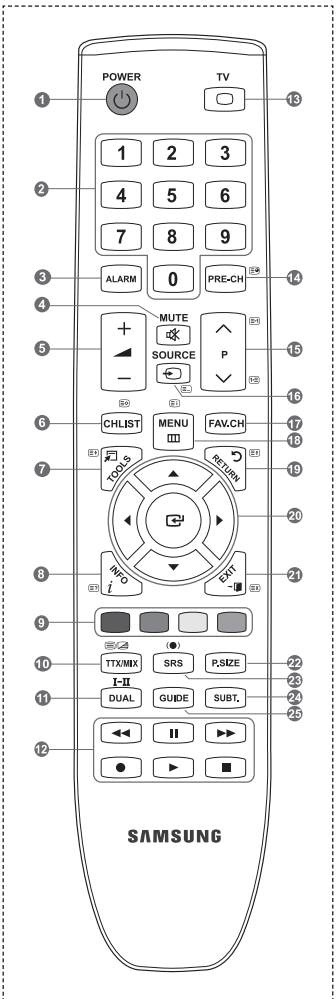
❷❶ **EXIT**
Press to exit the menu.

❷❷ **P.SIZE**
Picture size selection.

❷❸ **SRS**
Selects SRS TruSurround HD mode.

❷❹ **SUBT.**
Digital subtitle display.

❷❺ **GUIDE**
Electronic Programme Guide (EPG) display.



Teletext Functions

❻ Teletext store
❼ Teletext size selection
❽ Teletext reveal
❾ Fastext topic selection
❿ Alternately select Teletext, Double, or Mix.
⓭ Exit from the teletext display
⓮ Teletext sub page
⓯ P: Teletext next page
P: Teletext previous page
⓰ Teletext mode selection (LIST/FLOF)
⓲ Teletext index
⓳ Teletext hold
㉑ Teletext cancel

➢ The performance of the remote control may be affected by bright light.

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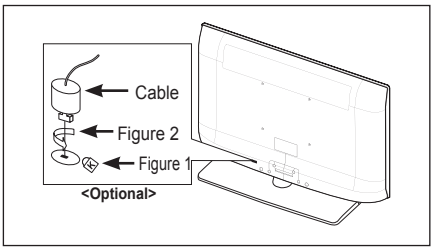
Using the Anti-Theft Kensington Lock

The Kensington lock is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration depending on the manufacturer. Refer to the manual provided with the Kensington lock for proper use. The locking device has to be purchased separately.

1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).
2. Connect the Kensington lock cable.
3. Fix the Kensington lock to a desk or a heavy stationary object.

➢ The location of the Kensington Lock may be different depending on its model.



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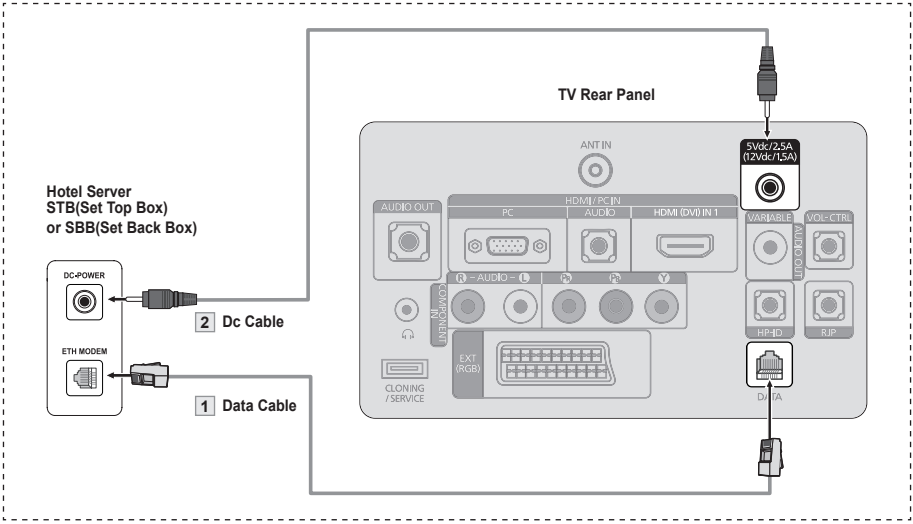
Connecting the TV with STB (SBB)



1. Connect the [DATA] jack of the TV to the [ETH MODEM] jack of the STB(SBB) with the Data cable.
- ➢ Use data communication.

2. Connect the [Class 2 Wiring-5V DC/2.5A (12V DC/1.5A)] jack of the TV to the [DC-POWER] jack of the STB (SBB) with the DC cable.
- ➢ The supported jack type differs depending on the STB (SBB) model.
- ➢ TV Jack Type: 6.5 Ø DC Power Jack
- ➢ Some STB (SBB) devices are not compatible with the data cable supplied with the TV.

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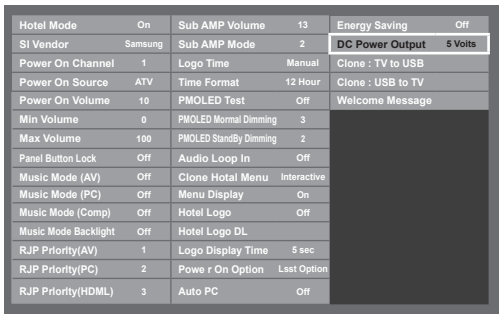
Warning

When you use the DC power output jack, you have to check the standard output power of STB(SBB) and you should use the DC power within the standard output(Class 2 Wiring-5V DC/2.5A (12V DC/1.5A).

- **For 5V SBB, SBB load current must not exceed 2.5A.**
- **For 12V SBB, SBB load current must not exceed 1.5A.**
- **The initial output is 5V.**
- **For 12V SBB, you have to change the output voltage to 12V in order to use the power.**

Changing the Output Voltage

1. Press the **POWER** button.
   ➢ The TV is powered on.
2. Press the following remote control buttons in order.
   INFO → MENU → 0 → 1 → EXIT
   ➢ The Hotel Option menu appears.
3. Press the ▲ or ▼ button to select "DC Power Output".
   Press the ◄ or ►button to select "12V" or "5V".
4. Remove the power cord then plug it back in again.
   ➢ **The voltage change is applied when you turn the TV on again after changing the Interactive mode Option setting.**



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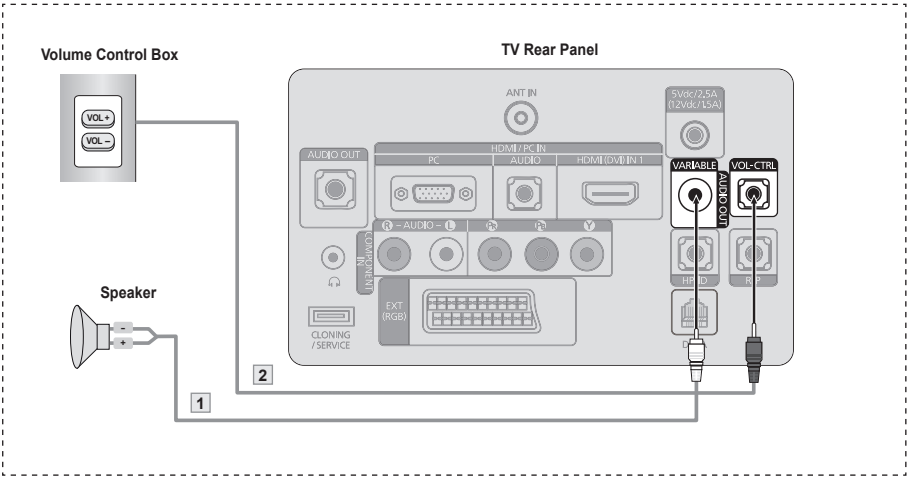
Connecting the Bathroom Speakers

You can connect the Bathroom Speakers in the following method.

Connecting through the Variable Output (available without an external amplifier)



1. Connect the VARIABLE AUDIO port of the TV to the Bathroom Wall Speakers of the hotel.

2. Connect the [VOL-CTRL] jack of the TV to the Volume Control Box Switch port of the Bathroom Wall of the hotel.

➢ The maximum speaker output is 4W, 8Ω.

♦ **Installing the Volume Control**

- If you configure the Volume Control Box as shown in the figure, you can control the volume of bathroom speakers.
- The jack that is connected from the Volume Control Box to the TV is a 3.5mm normal Phone jack.
- Volume Control Box switch consists of Tact switch.

➢ Setting the Sub AMP Mode

- 0: Turns the Sub AMP function off (PWM off).
- 1: Determines the Sub volume according to the main volume control. That is, the sub volume is determined according to the Power On Volume, the Min Volume, and the Max Volume values of the Hotel Mode.
- 2: Determines the volume according to the bathroom control panel setting.

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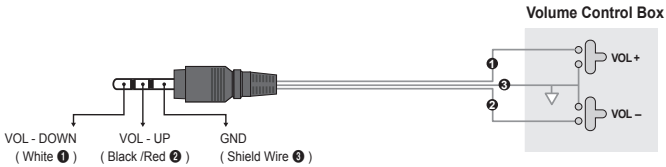
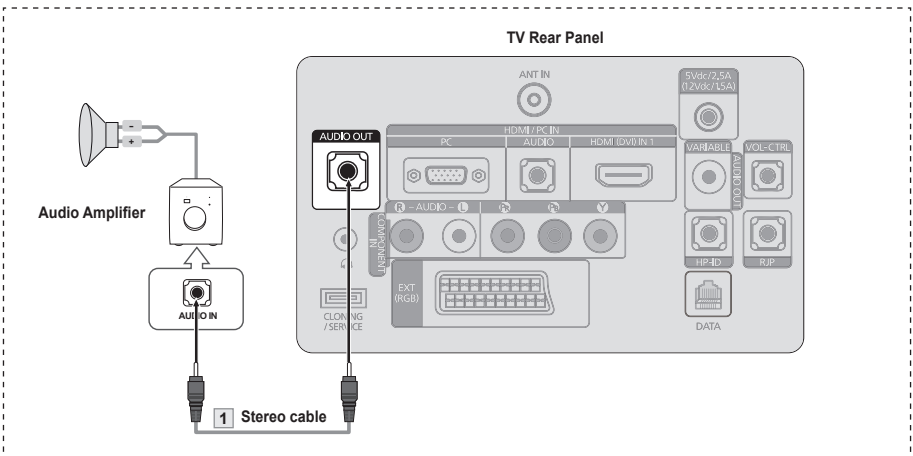
♦ **Variable Output Port Specifications**

- Speaker Wire: Use speaker cable no more than 82 feet (25m) in length.



Connect through the Fixed Output (available without an external amplifier)



1. Connect the AUDIO OUT port of the TV and the Audio In port of the audio amplifier with a stereo cable.

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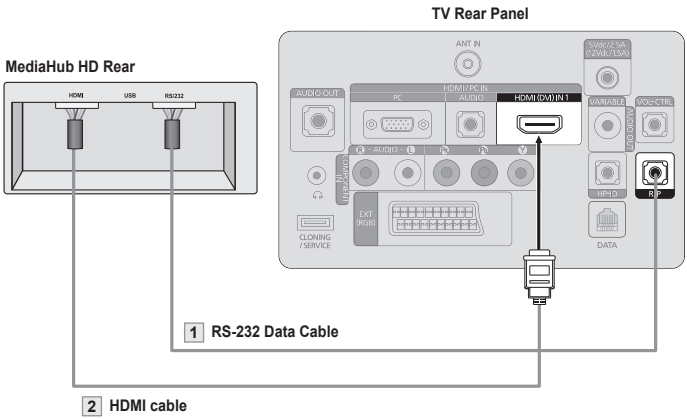
Connecting the MediaHub HD

Output of any external source connected to MediaHub HD on hotel desk.



1. Connect the RJP port of the TV and the RS/232 port of the MediaHub HD.
2. Connect the [HDMI] port of the TV and the HDMI port of the MediaHub HD.

♦ **MediaHub HD**

The MediaHub HD is a hardware module that has different Audio Video inputs (A/V, Audio, PC, HDMI and USB) and corresponding outputs. The corresponding output sources are connected from MediaHub to TV. The MediaHub communicates with the TV via RS232. Hot Plug & Play is a function that allows hotel guests to connect an external source to the MediaHub. The MediaHub communicates with the TV by sending messages regarding Active/Inactive sources. The TV will switch to the Active external source.

You have to connect the HDMI of the MediaHub to the HDMI 1 port of the TV.

When the TV is on, connect the TV and the RJP within 10 seconds.

♦ **Special features**

- PIP
- Bluetooth
- Media Player(MediaHub HD+ only)
- Auto Detection

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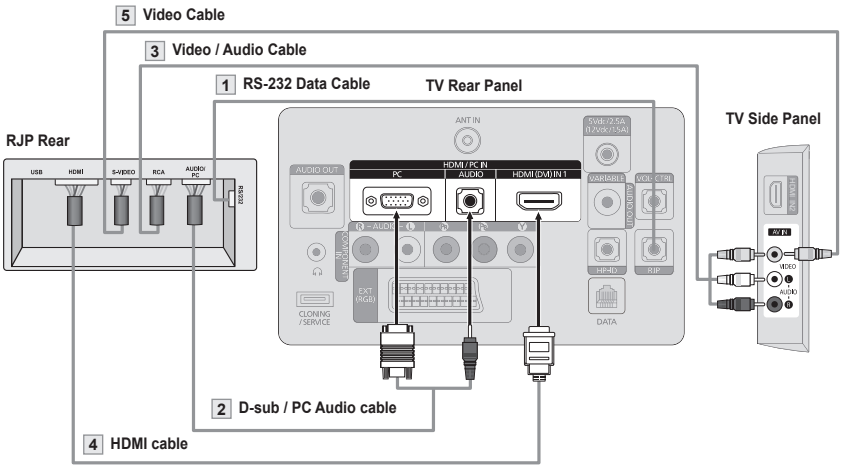
Connecting the RJP(Remote Jack Pack)

Output of any external source connected to RJP on hotel desk.



1. Connect the RJP port of the TV and the RS/232 port of the RJP.
2. Connect the PC IN [PC] / [AUDIO] port of the TV to the PC/AUDIO port of the RJP.
3. Connect the AV IN [VIDEO]/[R-AUDIO-L] port of the TV to the RCA port of the RJP.
4. Connect the [HDMI] port of the TV and the HDMI port of the RJP.
5. Connect the AV IN[VIDEO] port of the TV to the S-Video port of the RJP.

➢ The RJP (Remote Jack Pack) compatible with this Samsung TV is TeleAdapt TA-7610, TA-7650 (HD) and TA-7660 (HD Plus).

♦ **RJP (Remote Jack Pack)**
RJP stands for Remote Jack Pack. The RJP is a hardware module that has different Audio Video inputs (A/V, Audio, PC and HDMI) and corresponding outputs. The corresponding output sources are connected from RJP to TV. The RJP communicates with the TV via RS232. Hot Plug & Play is a function that allows hotel guests to connect an external source to the RJP. The RJP communicates with the TV by sending messages regarding Active/Inactive sources.
The TV will switch to the Active external source according to the priority set by the User.
➢ You have to connect the HDMI of the RJP to the HDMI 1 port of the TV.
➢ When the TV is on, connect the TV and the RJP within 10 seconds.

♦ **The RJP can be returned to the factory default settings by pressing the A/V and HDMI buttons simultaneously for 10 seconds. All LEDs blink 5 times to Acknowledge that the rest has been performed.**

♦ **The RJP will automatically turn off any LEDs after 5 minutes to avoid unnecessary light pollution in the hotel room. The LEDs that were turned off will turn on again if the guest touches any of the buttons and the 5 minute timer will restart. If the guest then touches another source button, the TV will change to the selected source and the corresponding LED will be lit.**

♦ **After an RJP Reset or a TV Power OFF/ON, it takes approx. 10 seconds to establish communications between the TV and the RJP.**

♦ **The following table shows the approximate time in seconds to switch from the TV to the input source, based on the priority.**

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➢ Scenario 1: When no inputs are connected.

Source	To Connect
AV	2 Sec
PC	0.7 Sec
HDMI	3.9 Sec

➢ Scenario 2: When two or more inputs are connected and an Input source is disconnected and then reconnected.

Source	Disconnect	To Connect	Total
AV	4.5 Sec	2 Sec	6.5 Sec
PC	0.7 sec	0.7 Sec	1.4 Sec
HDMI	3.9 Sec	3.9 Sec	7.8 Sec

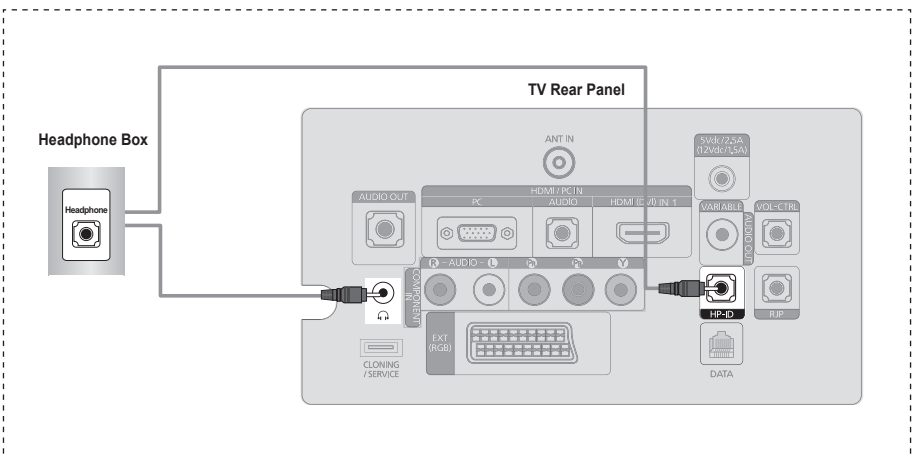
➢ E.g. If the RJP has all its live sources AV, PC and HDMI connected, AV is viewed as the highest priority. If the RJP is in HDMI mode, and a guest removes and reconnects the AV, the minimum time required to switch to the AV is 6.5 seconds.

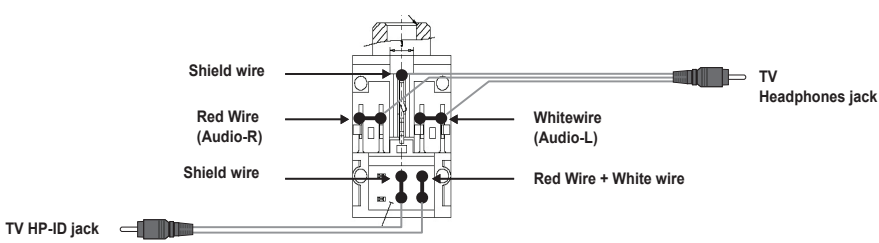
- **To connect audio (Ipod or Mp3), Music mode should be ON and Jack Ident detect should be OFF.**
- **A/V, PC and HDMI input sources are supported.**

Audio Loop In

An additionally created Headphone Box can be installed on a bed or business desk so that users can use it conveniently. The installation procedures are given below. (Not available for 19/22 inch model.)

- Detailed Drawing of the Headphone Box





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Setting the Hotel Option Data

Stand-alone mode

To Enter: Press the MUTE → 1 → 1 → 9 → ENTER buttons in order.
To Exit from this menu : power off and turn on again.

No	Item	Initial Value	Description
1	Hotel Mode	On	Hotel mode(Stand alone) on/off
2	SI Vendor	Off	Select the SI Vendor
3	Power On Channel	1	TV will switch on to this particular Channel
4	Power on source	ATV	Select the Input source when TV is turned on initially.
5	Power On Volume	10	TV will switch on with this Volume Level
6	Min Volume	0	Minimum Volume Level setting user can set
7	Max Volume	100	Maximum Volume Level setting user can set
8	Panel Button Lock	Off	Front panel(Local key) operation on/off - Off : Unlock All panel key - On : Lock All panel key - Power : Lock All panel key except Power panel key
9	Pic Menu Lock	Off	Enable or disable Picture Menu
10	Video Mute Ch	1 (Off)	To select Channels not displaying(doing video mute) for example(Radio channel), If 1 is ON, channel 1 display only black picture.
11	Video Mute Ch On/Off	Off	To select Channels not displaying(doing video mute) for example(Radio channel), If 1 is ON, channel 1 display only black picture.
12	Music Mode(AV)	Off	To get music output from mp3/audio player in AV Input Source. Audio enabled, video disabled in this mode
13	Music Mode(PC)	Off	To get music output from mp3/audio player in PC Input Source. Audio enabled, video disabled in this mode
14	Music Mode(Comp)	Off	To get music output from mp3/audio player in Component Input Source. Audio enabled, video disabled in this mode
15	Music Mode Backlight	Off	Backlight On/Off option in Music mode to save energy
16	RJP Priority(AV)	1	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
17	RJP Priority(PC)	2	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
18	RJP Priority(HDMI)	3	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
19	RJP HDMI Option	HDMI1	Select RJP HDMI Source (HDMI1/HDMI2)
20	Sub AMP volume	13	Sub AMP Volume level at power on initial condition.

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21	Sub AMP mode	2	Determines the Sub AMP operation mode. - 0: Turns the Sub AMP function off (PWM off). - 1: Determines the Sub volume according to the main volume control. That is, the sub volume is determined according to the Power On Volume, the Min Volume, and the Max - 2: Determines the volume according to the bathroom control panel setting.
22	Local time	Manual	Selection of the way to update clock data - Manual: Use clock data from DVB channel or manual clock setting when the TV is in the stand-alone mode - TTX: manual clock setting (with updating from TTX data)
23	Time Format	12hour	Select time expression method(12H/24H) Reset AC power after setting this option
24	PMOLED Test	Off	This function is not available on this model.
25	PMOLED Normal Dimming	3	This function is not available on this model.
26	PMOLED StandBy Dimming	2	This function is not available on this model.
27	Audio Loop In	Off	Audio loop identification or H.P identification selection
28	Clone Hotel Menu	Standalone	The interactive or stand alone Hotel TV options in the OSD when pressing the Hotel key on the clone remote control. (Stand Alone/ Interactive)
29	Menu display	Off	- On : Main Menu display - Off : Main Menu No display
30	Hotel Logo	Off	Select Hotel Logo
31	Hotel Logo DL		Download Hotel Logo from USB to TV
32	Logo Display Time	5 sec	Selection of the logo display time - 3 sec: Hotel logo is displayed for 3sec. - 5 sec: Hotel logo is displayed for 5sec. - 7 sec: Hotel logo is displayed for 7sec.
33	Power On Opt	Last Option	Power On(AC Power On) Option - STN-BY : Stand-By Mode - Power On : Power On - LAST OPT : Last Power State
34	Auto PC	Off	While TV is in power on state, if PC source is connected to TV, TV will automatically switch to PC mode.
35	Energy Saving	Off	This feature adjusts the brightness of the TV in order to reduce power consumption. - Off: Turns off the energy saving function. - Low: Sets the TV to low energy saving mode. - Medium: Sets the TV to medium energy saving mode. - High: Sets the TV to high
36	Clone : TV to USB	-	USB Clone : TV → USB
37	Clone : USB to TV	-	USB Clone : USB → TV
38	Pan Euro MHEG	Off	
39	Welcome message	Off	Display Welcome Message
40	Edit Welcome message		Edit Welcome Message

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Interactive Mode

To Enter: Press the INFO → MENU → 0 → 1 → EXIT buttons in order, in normal operation state.

To Exit from this menu : Power Off and Turn On again.(Press Power button with general SAMSUNG remocon)

No	Item	Initial Value	Description
1	Hotel Mode	On	Hotel mode(Interactive) on/off
2	SI Vendor	Samsung	Select the SI Vendor
3	Power On Channel	1	TV will switch on to this particular Channel
4	Power on source	ATV	Select the Input source when TV is turned on initially.
5	Power On Volume	10	TV will switch on with this Volume Level
6	Min Volume	0	Minimum Volume Level setting user can set
7	Max Volume	100	Maximum Volume Level setting user can set
8	Panel Button Lock	Off	Front panel(Local key) operation on/off - Off : Unlock All panel key - On : Lock All panel key - Power : Lock All panel key except Power panel key
9	Music Mode(AV)	Off	To get music output from mp3/audio player in AV Input Source. TV sound is generated in only black picture whether being Video Singal or not.
10	Music Mode(PC)	Off	To get music output from mp3/audio player in AV Input Source. TV sound is generated in only black picture whether being Video Singal or not.
11	Music Mode(Comp)	Off	To get music output from mp3/audio player in PC Input Source. TV sound is generated in only black picture whether being Video Singal or not.
12	Music Mode Backlight	On	Backlight On/Off option in Music mode to save energy
13	RJP Priority(AV)	1	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
14	RJP Priority(PC)	2	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
15	RJP Priority(HDMI)	3	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
16	RJP HDMI Option	HDMI1	Select RJP HDMI Source (HDMI1/HDMI2)
17	Sub AMP volume	13	Sub AMP Volume level at power on initial condition.
18	Sub AMP mode	2	Determines the Sub AMP operation mode. - 0: Turns the Sub AMP function off (PWM off). - 1: Determines the Sub volume according to the main volume control. That is, the sub volume is determined according to the Power On Volume, the Min Volume, and the Max
19	Local time	Manual	Selection of the way to update clock data - Auto: Use clock data from server when the TV is in the interactive mode - Manual: Use clock data from DVB channel or manual clock setting when the TV is in the stand-alone mode - TTX: manual clock setting (with updating from TTX data)
20	Time Format	12hour	Select time expression method(12H/24H) Reset AC power after setting this option
21	PMOLED Test	Off	This function is not available on this model.

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22	PMOLED Normal Dimming	3	This function is not available on this model.
23	PMOLED StandBy Dimming	2	This function is not available on this model.
24	Audio Loop In	Off	Audio loop identification or H.P identification selection
25	Clone Hotel Menu	Interactive	The interactive or stand alone Hotel TV options in the OSD when pressing the Hotel key on the clone remote control. (Stand Alone/ Interactive)
26	Menu display	Off	- On : Main Menu display - Off : Main Menu No display
27	Hotel Logo	Off	Select Hotel Logo
28	Hotel Logo DL	-	Download Hotel Logo from USB to TV
29	Logo Display Time	5 sec	Select the logo display time - 3 sec: Hotel logo is displayed for 3sec. - 5 sec: Hotel logo is displayed for 5sec. - 7 sec: Hotel logo is displayed for 7sec.
30	Power On Opt	Last Option	Power On(AC Power On) Option - STN-BY : Stand-By Mode - Power On : Power On - LAST OPT : Last Power State
31	Auto PC	Off	While TV is in power on state, if PC source is connected to TV, TV will automatically switch to PC mode.
32	Energy Saving	Off	This feature adjusts the brightness of the TV in order to reduce power consumption. - Off: Turns off the energy saving function. - Low: Sets the TV to low energy saving mode. - Medium: Sets the TV to medium energy saving mode. - High: Sets the TV to high
33	DC Power Output	5 Volts	Select DC power output (5V/12V)
34	Clone : TV to USB	-	USB Clone : TV → USB
35	Clone : USB to TV	-	USB Clone : USB → TV
36	Welcome message	Off	Display Welcome Message
37	Edit Welcome message	-	Edit Welcome Message

When Interactive mode is On, you cannot enter the Hotel Options by pressing the Mute → 1 → 1 → 9 → Enter button.

To exit the Hotel Options, turn the power off.

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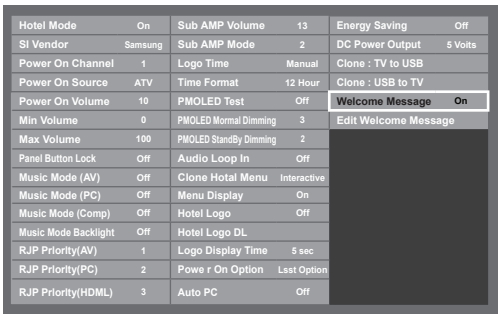
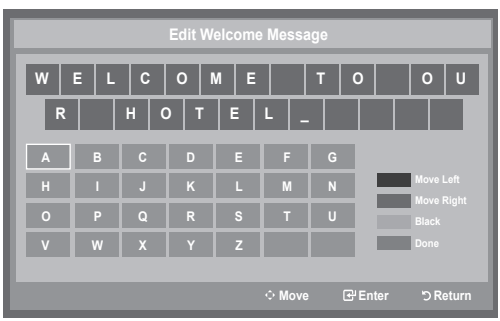
Welcome Message

Welcome message is a feature to display custom message on TV, every time TV is turned on by Guest in Hotel room.

- Welcome message settings are placed in Hotel Option Menu.
- Welcome message should be ON in order to display the message on power on.



- Welcome message can be of 25 characters and it can be edited by changing its text in Hotel Service menu.
- Following is the list of characters supported for Welcome message:
  - ➢ In letters from A to Z only in capital letters is allowed.
- Welcome message can be edited by using navigation, color & enter key of a Remote in “Edit Welcome Message” OSD.


Edit Welcome Message
W E L C O M E T O O U
R H O T E L _
A B C D E F G
H I J K L M N
O P Q R S T U
V W X Y Z
Move Left
Move Right
Black
Done
Move
Enter
Return

- Welcome message and hotel logo cannot be active at the same time.

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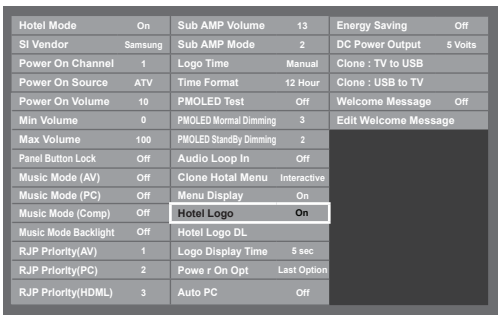
Hotel Logo

Hotel Logo is a function that shows picture image which represents hotel during power on procedure.

- Hotel Logo will be in hotel option menu in both Standalone and Interactive mode.
- Lower menus will be enabled when hotel Logo option is on.
- Hotel Logo will be displayed if there is logo image which is already stored in memory and hotel logo option is on during power on procedure.
- Hotel Logo will not be displayed when Hotel Logo option is off even if logo image exists.



♦ **Hotel Logo**

- This option is to decide if hotel logo image will be displayed or not.

♦ **Hotel Logo DL**

- This option is to download logo image to memory.
- Download the Logo File from PC to USB.

  Logo File Format
  - Only jpeg format is supported and the File name should be “Samsung.jpg”.
  - File size must be under 256Kbytes.
  - Maximum resolution is 1920 * 1080.
- Connect the USB to TV and press Enter key.
- “Wait” message will be displayed during copying image to TV.
- “Completed” message will be displayed when the copy operation was finished successfully.
- “Failed” message will be displayed when the copy operation was finished unsuccessfully.
- “No USB” message will be displayed when any USB is not connected.
- “No File” message will be displayed when there is no file to copy in USB.

♦ **Logo Display Time**

- This option is to decide Logo display time.
- 3 sec / 5 sec / 7sec

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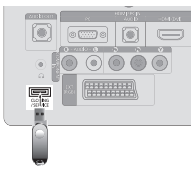
USB Cloning

USB Cloning is a function to download user configured settings (Picture, Sound, Input, Channel, Setup, and Hotel Setup) from one TV set and upload the same to other TV sets.
All the user-defined settings from the TV (Master Set) can be copied to the USB device.
USB Cloning is in hotel option menu in both Standalone and Interactive mode.

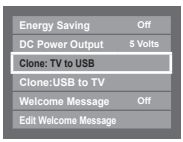
♦ **Cloning from TV to USB**



It is an operation to copy the stored data from the specific area on the EEPROM from the TV set to the USB device.

1. Insert a USB drive into the USB port on the rear of the TV.
2. Enter the hotel menu by pressing this buttons in order.
- Interactive mode : INFO → MENU → 0 → 1 → EXIT
- Standalone mode : MUTE → 1 → 1 → 9 → ENTER

3. Press the ▲ or ▼ button to select “Clone: TV to USB”, then press the ENTER button.
4. The message “Clone: TV to USB” is displayed, then press the ENTER button.
5. You can Make sure USB cloning behavior.
- “In Progress” : during copying data to USB.
- “Completed” : copy operation was finished successfully.
- “Failed” : copy operation was not finished successfully.
- “No USB” : any USB is not connected.

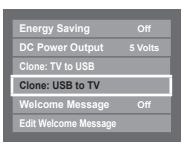


♦ **Cloning from USB to TV**

It is an operation to download the stored data in USB device to TV set.

1. Insert a USB drive into the USB port on the rear of the TV.
2. Enter the hotel menu by pressing this buttons in order.
- Interactive mode : INFO → MENU → 0 → 1 → EXIT
- Standalone mode : MUTE → 1 → 1 → 9 → ENTER

3. Press the ▲ or ▼ button to select “Clone: USB to TV”, then press the ENTER button.
4. The message “Clone: USB to TV” is displayed, then press the ENTER button.
5. You can Make sure USB cloning behavior.
- “In Progress” : during copying data to TV.
- “Completed” : copy operation was finished successfully.
- “Failed” : copy operation was not finished successfully.
- “No USB” : any USB is not connected.
- “No File” : there is no file to copy in USB.



➢ The operation to copy from USB to TV can be executed by pressing Enter key for 5 seconds.

For fast instant cloning during installation!

Insert USB key with master settings from first TV and press Enter key for 5 seconds.

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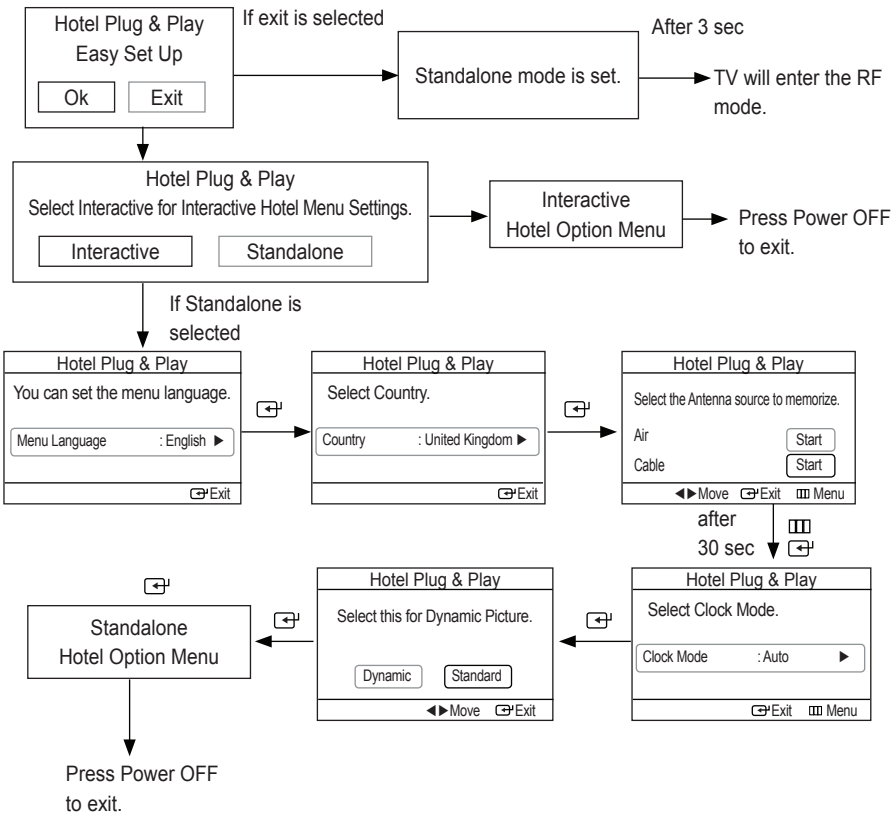
Hotel Plug & Play

Hotel Plug & Play is a function that automatically performs the Hotel mode selection, Country Setup, Clock Setup and Picture mode Setup once.

- **Hotel Plug & Play is available only one time when power is first turned ON.**
- **After setting up first TV and Clone TV to USB**
- **Next TV only needs to exit Hotel Plug & Play, connect USB, then Clone USB to TV**

♦ **UI Scenario**



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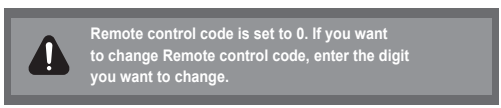
Multi Code Remocon

Multi Code Remocon is a special transmitter which is designed to control each TVs with one remote.
This function is useful where there is more than one TV in one location like hospital
Set ID number will be displayed in source osd.
It is possible to support up to 10 different remote key transmission for multi code.
Initial ID code which each TV has is “0”.

- **ID code could be set and reset in Analog TV mode or PC mode. (not available in TTX channel or DTV channel)**
- ID code could be from 0 to 9.
- Press Blue Key for over 3 seconds and the digit key a user wants to set.
- Set ID OSD will be displayed in central position.
- The following words will be displayed. “Remote control code is set to x. If you want to change Remote control code. Enter the digit you want to change.” (x is the digit number)
  This OSD will be kept displaying until exit key is input.



- For example, TV and Remote will be set ID code #1 if user presses #1.
  The following words will be displayed.“Remote control code is changed to 1”
  Then TV can be controlled by only remote which has same ID code with TV’s.
- If ID code does not match between remote and TV, the following words will be displayed.
  “ TV ID x”(x is the TV’s ID)
- To reset ID code, press Yellow key for over 3 seconds. ID code of both TV and Remote will be reset to “0”.
  “Remote control code is set to 0.” will be displayed.

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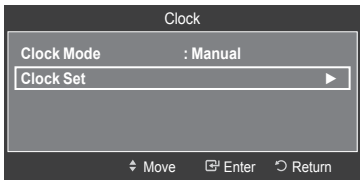
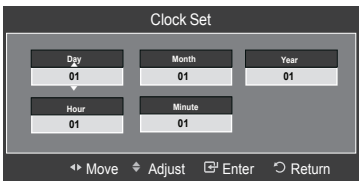
Setting the Time

- **The time is entered**
  - Press the remote control button to select "Clock set" and set up the time.
    "Menu" → "Setup" → "Time" → "Clock" → "Clock Set"



- **Setting the Interactive Mode Time**
  - If the Hotel System transmits time information, the time is set automatically.
  - If the Hotel System does not transmit time information, the time cannot be displayed.



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Specifications

Items		Specification	Comment
TV System		DVB-T/C, PAL, SECAM, NT4.43	
Audio out	Speaker out	32inch / 37inch / 40inch / 46inch : 10W x 2	
	Variable Audio	4W mono 8 ohm SPK'	RCA Jack output BTL Sound output
	Audio out	500mVrms	Phone Jack, Monitor out
DC out	5V out	Max 2.5A	Initial output Voltage
	12V out	Max 1.5A	Change output voltage
Input	Component	Y, Pb, Pr, Audio-L/R	
	PC	D-sub, Audio-L/R	
	HDMI	Compatible with the HDMI Specifications	
	Antenna	75 ohm Unbalanced, Din Jack	VHF/UHF/CATV
Data	DATA	RJ-12	
	RJP	RS232	Jack Pack Only, TeleAdapt RJP Only
Operating temperature		10°C ~ 40°C (50°F ~ 104°F)	
Operating Humidity		10% ~ 80%	non-condensing
Storage Temperature		-20°C ~ 45°C (-4°F ~ 113°F)	
Storage Humidity		5% ~ 95%	non-condensing

➢ Design and specifications are subject to change without prior notice.

➢ For the power supply and Power Consumption, refer to the label attached to the product.

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Contact SAMSUNG WORLDWIDE
If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎
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NETHERLANDS	015-2197000
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